

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-043461

(43)Date of publication of application : 18.02.1994

(51)Int.Cl.

G02F 1/1337

(21)Application number : 05-073935

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(22)Date of filing : 31.03.1993

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(30)Priority

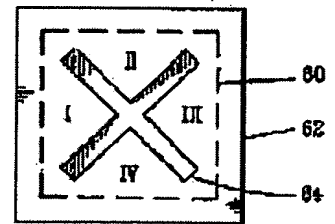
Priority number : 92 879256 Priority date : 30.04.1992 Priority country : US

### (54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

**PURPOSE:** To obtain a high contrast throughout a wide visual angle by providing a common electrode with a pattern having an empty part so that a display element of a display device has one or more liquid crystal domains.

**CONSTITUTION:** The common electrode has at least one empty part in it for each picture element, and the other electrode part is continuous in the whole of a display area. In this case, a bottom electrode 60 of the picture element is continuously square, but the part of the common electrode forming an upper electrode 62 of the picture element has an X-shaped cut part 64 formed in it, and terminals of X are directed to four corners of the picture element. That is, lines forming X are arranged at 45° to sides of the picture element. The outer periphery of the bottom electrode 60 is made smaller than the upper electrode 62 to direct an electric field in the periphery of the picture element and in edges of the cut part so that each picture element is divided into four domains.



LEGAL STATUS

[Date of request for examination]	02.06.1993
[Date of sending the examiner's decision of rejection]	
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]	
[Date of final disposal for application]	
[Patent number]	2565639
[Date of registration]	03.10.1996
[Number of appeal against examiner's decision of rejection]	
[Date of requesting appeal against examiner's decision of rejection]	
[Date of extinction of right]	